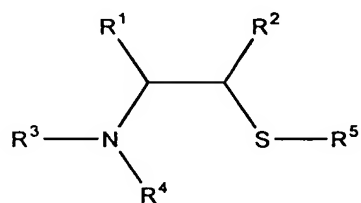


ABSTRACT

The present invention discloses an aminothiol compound having a general formula I wherein R^1 - R^5 are substitutable ligands. Such compound can perform as a superior catalyst in an asymmetric addition reaction of organic metal compounds and aldehyde. According to the present invention, the aminothiol compound is needed only less than 0.02% based on main reactants to obtain enantioselectivity higher than 98% enantiomeric excess, whereby the asymmetric reactions can become very economic.



I